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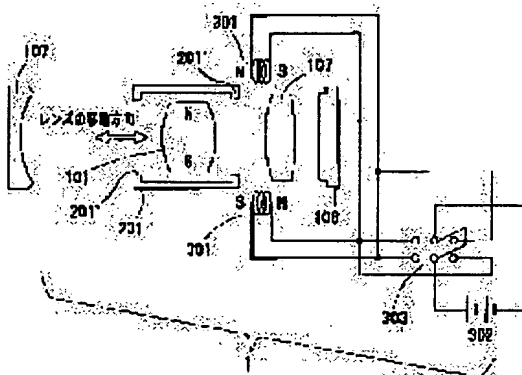
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(54) OPTICAL DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an optical device whose structure is simple, which is easy to be assembled, whose cost is reduced, which has significant degree of freedom of arranging optical elements composing an optical system and whose optical properties are variable.

SOLUTION: An optical element 101 consisting of a transparent magnetic body is arranged in a direction where both magnetic poles are almost orthogonal to the optical axis, and electromagnets 301, 301 are disposed in the vicinity of both magnetic poles on one side of the optical element 101. The optical element 101 consisting of the transparent magnetic body is movably provided in a mirror frame 201. By reversing the direction of the current via a changeover switch 303, polarities of the electromagnets 301 and 301 are changed and the optical element 101 consisting of the transparent magnetic body can be moved in the direction of the optical axis within the mirror frame 201 with repulsive or attractive force of the transparent magnetic body and the electromagnets 301.



LEGAL STATUS

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